

Patent Abstracts of Japan

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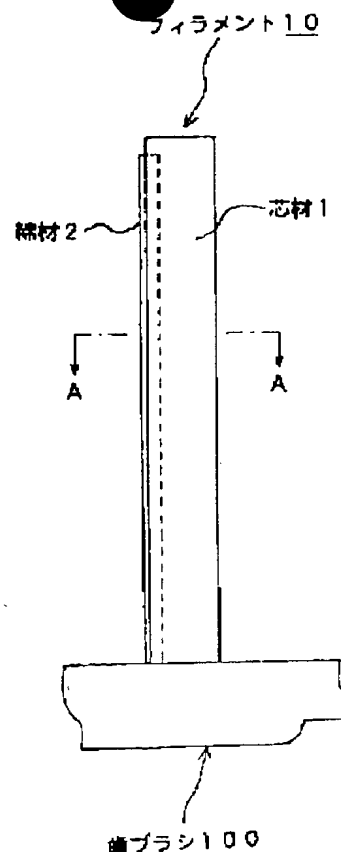
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TITLE : PRODUCTION OF TOOTH BRUSH AND
 FILAMENT IMPLANTED TO IT



ABSTRACT : PROBLEM TO BE SOLVED: To make a tooth brush difficult to fall down bristles and bend by constituting at least a part of filaments constituting the brush part of the tooth brush of a wire stuck to a core material in the state of exposing a part so as to improve the elasticity, the repulsiveness and the durability of the filaments.

SOLUTION: A filament 10 to be implanted to the tooth brush 100 is constituted of a nylon cylindrical core material 1 and a wire 2 with a rectangular cross section which is bury-fixed vertically on the side face of the material 1 and uses an extremely thin hard nylon material. In addition the wire 2 can be added to the filament 10 by spirally fixing and can be obtained by additionally covering the external face of the filament 10 obtained by spirally coiling the wire 2 like this with nylon (covering material). The double structure of the filament like this make the falling down of bristles and bending difficult to fall down and bend so as to obtain the toothbrush 100 effectively show the elasticity, the repulsiveness and the durability of the bristle tip parts.

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